
From: Kennedy, Aisha
Sent: Tuesday, September 19, 2017 10:30 PM
To: Christopher.Wiatrek@tceq.texas.gov; Martin, John; Jimmy.A.Martinez@GLO.TEXAS.GOV; Tedd.B.Hutley_uscg.mil; anthony.buck@tceq.texas.gov; jacqueline.fitch@uscg.mil; Renae.Diguardi@tceq.texas.gov; Gena Good; Steven.Mitchell@tpwd.texas.gov; Mason, Steve; Henry.L.Font@uscg.mil; Vela, Austin; Olson, Alexandra; susan.m.blake@uscg.mil; Biggs, Tonia
Cc: Waldon, MARGARET
Subject: Hurricane Harvey ESF-10 Texas Situation Report #20 for 09-19-17
Attachments: Hurricane Harvey ESF-10 Texas Situation Report #20 for 09-19-17.pdf

Aisha Kennedy
U.S. EPA Region 9
Enforcement Division, ENF-2-2
Tel: (415) 972-3301
Email: kennedy.aisha@epa.gov



Hurricane Harvey-Texas

ESF-10

Situation Report #21

Subject: SITREP #21
To: Agency Leads
Thru: Maggie Waldon, PSC
From: Unified Command
Date: 9/19/2017
Reporting Period: 9/19/2017

Note- Beginning 9/19/2017, the operation period changed from 24-hours to 48-hours. SITREPs will continue to be published daily.

INTRODUCTION

Background

Hurricane Harvey made landfall at 2300 ET, August 26th, as a Category 4 storm near Rockport, Texas. Harvey stalled over southeastern TX. Due to its slow motion and a prolonged period of onshore flow, the impacted areas received more than 50 inches of precipitation which subsequently led to catastrophic flooding.

An ESF-10 Mission Assignment was signed on August 28, 2017. The US Environmental Protection Agency (EPA), Texas Commission on the Environmental Quality (TCEQ), Texas General Land Office (TGLO) and the US Coast Guard (USCG) have entered into Unified Command to begin the evaluation, clean-up and recovery of spills, releases, vessels and orphan containers.

CURRENT ACTIVITIES

Operations Section

On September 19, 2017, Unified Command continued operations in accordance with the Natural Disaster Operational Workgroup (NDOW) Standard Operating Procedures, NDOW forms and Response Manager. The Unified Command is supported by three operational branches: Alpha Branch in Corpus Christi, Bravo Branch in Houston and Charlie Branch in Port Arthur. Hazard Evaluation, Oil Discharge Assessment and Recovery, as well as Orphan Container Evaluation and Recovery teams continued working throughout the Alpha, Bravo and Charlie Branches.

- EPA's mobile air monitoring Trace Atmospheric Gas Analyzer (TAGA) bus is being used to screen specific areas for target contaminants that are affiliated with the aftermath of Hurricane Harvey. They will continue monitoring force majeure facilities in the Houston and Beaumont areas.

Mission Assignment:

Request ESF-10 assistance to the State of Texas in support of assessment and response operations to actual or threatened hazardous materials and oil releases/discharges as covered under Category B (Emergency Protective Services) for Public Assistance. The assistance includes response to releases/discharges from fixed facilities, vehicles, intermodal container (to include orphaned containers) and vessels (mobile) sources to remove the threat of imminent danger or contamination to the public that could be caused by any release.

Table 1: Mission Assignments as of 9/19/17			
Funding Sources	Description	Funding Ceiling	End Date
MA 4332DR-TX-EPA-03	As requested by the State of Texas, provide assessment and emergency response support to the State including water/wastewater treatment plant assessments, aerial assessments	\$10,092,000	9/22/2017
USCG MA D17BA1	USCG will provide oil and hazardous materials field response which may include but not limited to the placement of vessels removed of pollutions to a pre-determined staging area; providing specialized expertise; conducting damage assessment of oil/hazmat waste impact via air and/or water; contractor oversight; evaluating hazards; and/or response, removal, or disposal of: actual and potential oil discharges, and releases of hazardous materials, pollutants and contaminations, and remove pollutants from vessels in or upon navigable waters and adjoining shoreline.	\$20,000,000	9/21/2017

Liaison

Coordinated communications with the Unified Command Liaison and Public Information Officer. Shared information with the lead Community Liaison from EPA, Region 6. Attended a meeting as observers to hear updates from various community entities providing their local updates to leaders.

Public Information

Public Information Officers took photographs and videos of TAGA air monitoring operations for distribution. Updated response talking points for concurrence by the Unified Command.

Table 2: Field Teams on 9/19/2017 – per IAP #20				
Teams	Alpha	Bravo	Charlie	Total
Hazard Evaluation	0	1	2	3
Hazard Evaluation Debris	2	8	0	10
Oil Discharge Assessment	0	2	0	2
ER/Orphan Container Recovery	0	6	1	7
Oil/Vessel Discharge Recovery	6	0	0	6
Staging Areas	0	1	1	2
Air Operations	0	1	0	1
Air Monitoring	1	0	0	1
Vessel Removal	0	0	1	0
Totals	9	19	5	33

Table 3: Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/19/2017	Number of Targets Remaining Open	9/19/2017	Cumulative
Alpha Branch	0	5	0	101
Bravo Branch	0	3	19	399
Charlie Branch	0	0	7	135
NRC Reports	0	0	0	5
Totals	0	0	26	640

Note- Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.

Table 4: Waste Received at All Staging Pads to Date						
CONTAINERS					TOTALS	
Date	Drums [55gal]	Small Containers [< 55gal]	Large Containers [> 55gal]	Cylinders	Total Items Collected Today	Total Items Collected Project to Date
9/19/2017	7	5	4	8	24	977
Totals	423	397	37	120		

Table 5: Daily/Cumulative Summary of Spills/Discharges (NON-VESSELS)				
Status	Opened		Closed	
	9/19/2017	Number of Facilities/Spills Remaining Open	9/19/2017	Cumulative
Alpha Branch	0	0	0	33
Bravo Branch	0	0	0	77
Charlie Branch	0	3	1	23
NRC Reports	0	8	3	118
Totals	0	11	4	251

Note- Open means the target is yet to be recovered/cleaned up. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

Table 6: Daily/Cumulative Summary of VESSELS UPDATED				
Status	Opened		Closed	
	9/19/2017	Number of Vessels Remaining Open	9/19/2017	Cumulative
Alpha Branch	0	183	5	290
Bravo Branch	1	28	0	46
Charlie Branch	1	35	13	28
NRC Reports	1	1	1	13
Totals	3	247	19	377

Note- Open means the target is yet to be recovered. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

OTHER NOTABLE ACTIVITIES

Alpha Branch

TAGA Team 1 conducted monitoring at Flint Hills Resources East and West, Valero East and West, Citgo East and West, Equistar and Equistar Chemical Dock Facility, all in Corpus Christi. Air monitoring was also conducted in the neighborhoods around Valero, Flint Hills Resources and Citgo. No readings of significance were identified except one benzene reading of 30 ppb recorded along the Joe Fulton Corridor.

Oil/Vessel Discharge Recovery Teams prioritized targets in the Port Aransas Marina. The Water Task Force Team prioritized targets in Hampton's Landing, Rockport, and Cove Harbor. Placards were affixed to five vessels in Cove Harbor and one vessel was relinquished by the owner to TGLO.

Debris Assessment Team 1 conducted debris management observations at eight temporary sites. Six sites are currently active and two are inactive.

Active Sites

- Former Fairground Property Site (Edna)
- Jackson County Precinct 1 Site (Edna)
- Jackson County Solid Waste Transfer Station (Jackson County)
- City of Victoria Landfill (Victoria); not currently receiving debris
- TXDOT #4 (Victoria)
- Victoria County Old Airport (Victoria)

Inactive Sites

- Bob White Road (Victoria)
- Victoria Community Center (Victoria)

Debris Assessment Team 1 and team 2 conducted debris management observations at seven temporary debris. Five sites are currently active and two are inactive.

Active Sites

- City of Cuero (Cuero)
- City of Cuero San Antonio Street (Cuero)
- B.J Welds Park and Arena (Gonzales)
- Nixon (Nixon)
- City of Shiner Closed Landfill (Shiner)

Inactive Sites

- Cuero Collection Center (Cuero)
- City of Gonzalez (Gonzales)

Bravo Branch

ER/Orphan Container Recovery Teams recovered a 2,500-gallon tote. Oil Discharge Assessment Teams sampled four totes and collected two steel drums, polypropylene container, and other items. Hazard Evaluation Teams assessed a debris line target and identified approximately 14 containers.

Debris Assessment Team 1 conducted site assessments at three permitted landfills. No concerns were noted.

Landfill Locations

- Security Recycling & Disposal No. 1752B (Montgomery County)
- Atascocita Recycling & Disposal 1307D (Harris County)
- McCarty Road Landfill No. 261B (Harris County).

Debris Assessment Team 2, Team 3, and Team 4 conducted site assessments at 11 locations. No concerns were noted.

Team 2 Sites

- Clean Harbors (Altair)
- BR Perrin Plant No. 2298 Site (Houston)
- Southwaste Disposal Hurst Facility Site (Houston)

Team 3 Sites

- Clean Harbors Genoa-Red Bluff (Houston)
- Liquid Environmental Solutions Houston Facility (Houston)
- Clean Harbors (La Porte)
- Greenshadow Landfill (Pasadena)

Team 4 Sites

- Coastal Plains Recycling Facility No. 1771A (Alvin)
- Baytown Landfill (Baytown)
- Lone Star Recycling & Disposal Facility No. 2344 (Houston)
- Clean Harbors (San Leon)

Debris Assessment Team 6 conducted site assessments at four sites. No debris was noted at two locations and the other two had no authorization.

No Debris Sites

- East of Genoa Red Bluff Road and Holly Bay Court (Pasadena)
- South of Genoa Red Bluff Road and Fairmont Parkway (Pasadena)

No Authorization Sites

- North Eldridge Parkway and Tanner Road (Houston)
- South Mason Road and Beechnut Road (Houston)

Charlie Branch

TAGA Team 2 conducted air monitoring around ExxonMobil Beaumont Refinery, ExxonMobil Beaumont Chemical Plant, Neches Terminal and Neches Terminal / Neches West (facilities are co-located with Signage outside facility as Martin Terminals and identified as Martin Midstream Partners in Google Earth), and ExxonMobil Beaumont Polyethylene. Air monitoring was also conducted in the neighborhoods West of ExxonMobil Beaumont Refinery and ExxonMobil Beaumont Chemical Plant, and West and East of ExxonMobil Beaumont Polyethylene. No readings of significance were identified.

Hazard Evaluation Teams investigated two targets at 24420 Highway 124 in Winnie and South 1st Avenue near the Sabine Pass Battle Ground in South Port Arthur. Both targets were deemed safe. Hazard Evaluation Teams also verified that all targets at and near Benchmark Oil & Gas Co. in Orange were cleaned or being cleaned by the responsible party.

ER/Orphan Container Recovery Teams safely recovered and retrieved a Chem tote from the Beaumont Yacht Club.

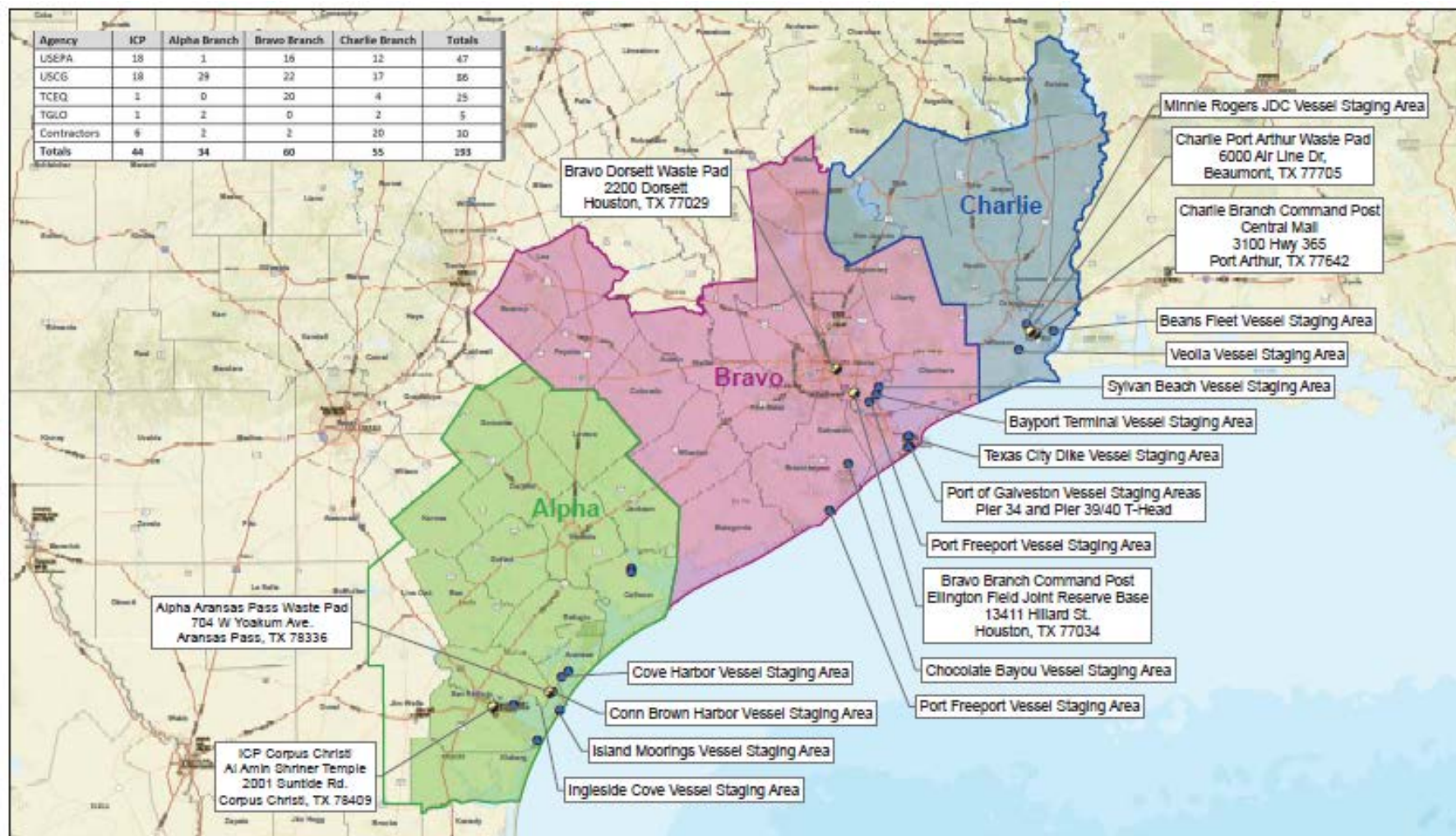
All targets at Charlie Branch have been cleared.

Participating Agencies as of 09/19/2017

- Texas Commission on Environmental Quality (TCEQ)
- Texas General Land Office (TGLO)
- US Environmental Protection Agency (USEPA)
- US Coast Guard (USCG)

Personnel On Site as of 09/19/2017

Agency	ICP	Alpha Branch	Bravo Branch	Charlie Branch	Totals
USEPA	18	1	16	12	47
USCG	18	29	22	17	86
TCEQ	1	0	20	4	25
TGLO	1	2	0	2	5
Contractors	6	2	2	20	30
Totals	44	34	60	55	193



Legend

Federally Declared Counties:

- In Alpha
- In Bravo
- In Charlie

- Incident Command Post (ICP)
/Staging Area
- Vessel Staging Location

USA EPA REGION 6
Overview Map
Alpha, Bravo, Charlie
Hurricane Harvey Response



EPA GIS
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